OVENTOP Transmission station Regudis H-MHT DN 20

Data sheet

Transmission station Regudis H-MHT

For the connection of a variable temperature heating circuit (surface heating), a constant temperature heating circuit (radiators) and a potable water storage cylinder

OVENTROP transmission station Regudis H-MHT with plate heat exchanger for the indirect transmission of heat from a local or district heating network to the potable water and heating system of detached houses or multiple occupancy dwellings.

With electronic controller for the weather guided control of the flow temperature of the heating system and simultaneous limitation of the return temperature to the local/district heating network.

With pump group Regumat M3 and electric pipe contact safety switch for the connection of a variable temperature heating circuit (surface heating).

With HT switching module for the connection of a constant temperature heating circuit (radiators).

A potable water storage cylinder with internal heat exchanger can be connected to the secondary side.

For use in closed local and district heating networks, for operation with non-aggressive, harmless fluids (e.g. water or suitable water and glycol mixtures according to VDI 2035/ÖNORM 5195).

The station is supplied with mounted functional modules and is completely parameterized and tested at works.





Illust. 1: Transmission station Regudis H-MHT

(1)	Ball valve with thermometer inside the handle
(2)	Connecting pipe
(3)	Safety group
(4)	Pressure gauge
(5)	Spacer for heat meter
(6)	Pressure independent control valve Cocon QTZ with actuator
(7)	Rear insulation shell
(8)	Connection fitting
(9)	Flanged pipe with check valve
(10)	Switching valve with 2 point actuator
(11)	Ball valve with handle (2x)
(12)	Rear insulation shell
(13)	Ball valve with thermometer inside the handle
(14)	Pump
(15)	Thermometer
(16)	Rear insulation shell
(17)	Pressure gauge
(18)	Heat exchanger
(19)	Spacer for heat meter
(20)	Electronic controller
(21)	Spacer for heat meter

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(22)	Strainer with venting valve	
(23)	Rear insulation shell	
(24)	Three-way mixing valve	
(25)	Pump	
Connections		
Α	Primary circuit supply	
В	Primary circuit return	
С	Secondary circuits supply	
D	Secondary circuits return	
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General information					
Item no.			8027		
Designation			udis H-MHT		
Nominal size	DN2	0			
Max. operating tempera- ture ts			95°C		
Max. operating pressups	10 bar				
Min. operating pressur ps	1 bar				
Max. primary differenti pressure	4 bar				
Ambient temperature	Г	2-35	°C		
Empty weight					
Regudis H-MHT	35.40 kg				
Hydronic performance data					
Safety valve secondary side		3 bar			
Max. primary volume flow		1300 l/h			
Display range of the pressure gauge		0 - 10 bar			
Operating fluids		Water / mixtures of water and glycol			
Dimensions					
Regudis H-MHT Wid Heig x De (in r		th x ght epth nm)	545 x 1613 x 295		
Connections to the pip	ewo	rk			
Transmission station		Flat sealing male thread G ¾			
Ball valve connection s	Ball valve connection set		Flat sealing male thread G1		
Regumat		Flat sealing male thread G1 ½			
HT switching module		Flat sealing male thread G1 ½			
Electrical performance data					
Operating voltage con- troller		230	V AC, 50-60 Hz		

Actuator	Closed with current off, 24 V DC, control voltage 0-10 V				
Material					
Valves and fittings	Brass, bronze				
Seals	Fibre materials; EPDM				
Base plate	Galvanised steel				
Thermal insulation	EPP				
Heat exchanger	Plate material: stain- less steel 1.4401				
	Connections: Stainless steel 1.4404				
	Brazing material: Copper				
Pipes	Stainless steel 1.4404				
Spacers	Stainless steel 1.4404				



Designation	Item no.			
Accessories				
Monovalent potable water stor-	1395010			
age cylinder Hydrocor WM	1395011			
	1395012			
Diaphragm expansion tank	1399091			
	1399092			
Extension module Regtronic EM	1152098			
Connection set	1399080			



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Illust. 7: Performance chart; recommended max. volume flow Regudis H in combination with HT switching module





